

CHART 12327

NM 30/99

ARTHUR KILL, KILL VAN KULL, NEWARK BAY, PASSAIC AND HACKENSACK RIVERS CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- REPORT OF JAN 1999 AND SURVEYS TO OCT - NOV 1998			
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)			
NAME OF CHANNEL	DEPTH MLLW (FEET)	WIDTH (FEET)	DATE OF SURVEY
ARTHUR KILL (OUTERBRIDGE REACH TO N. OF SHOOTERS I. REACH)	A18.8	800-500	12-92;1-93
KILL VAN KULL (CONSTABLE HOOK REACH TO BERGEN PT. WEST REACH)	34.0	2000-800	12-96;2-97
S. OF SHOOTERS I. REACH	B5.0	400	8-90
NEWARK BAY (NEWARK BAY S. REACH TO DROYERS PT. REACH)	C19.3	1000-300	7,8-98
PASSAIC RIVER (KEARNY PT. REACH TO ARLINGTON REACH)	D,E0.8	300-200	6,11-98;2,3-98
HACKENSACK RIVER (DROYERS PT. REACH TO TURNING BASIN)	19.3	300-800	10,11-98
<p>A. A DEPTH OF 32.5 FEET WAS AVAILABLE IN THE MIDDLE HALF.</p> <p>B. OBSTRUCTIONS INTERSPERSED IN THE TWO RIGHT QUARTERS. THERE IS A MINIMUM DEPTH OF 5.9 FEET OVER WRECKAGE.</p> <p>C. A DEPTH OF 23.7 FEET WAS AVAILABLE IN THE MIDDLE HALF. EXCEPT FOR SHOALING TO 9 FT AT 40° 42' 11.4" N 74° 08' 56.1" W.</p> <p>D. A DEPTH OF 6.5 FEET WAS AVAILABLE IN THE MIDDLE HALF.</p> <p>E. SHOALING TO BARE ALONG THE LEFT OUTSIDE QUARTER AT THE TURN AT 40°45'43"N, 74°08'49"W.</p> <p>NOTE 1. SEE LARGE SCALE CHARTS FOR MORE DETAIL OF REACHES.</p> <p>NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE</p>			

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NEW YORK HARBOR - LOWER BAY - CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 1999 AND SURVEYS TO JUNE - JULY 1998								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
AMBROSE CHANNEL	40.3	44.7	44.9	28.4	9-95	2000	9.2	45
SANDY HOOK CHAN. (EAST) A	38.6	42.2	40.08	32.7	5,6-97;8-97	800	3.5	35
SANDY HOOK CHANNEL	30.0	43.5	43.0	37.6	5,6-97; 8-97	800	2.4	35
CHAPEL HILL:								
SOUTH CHANNEL	28.3	29.9	29.9	28.7	3-98	1000	2.7	30
NORTH CHANNEL	29.0	28.6	28.8	28.9	3-98	1000	1.8	30
TERMINAL CHANNEL	44.2	45.7	46.0	44.0	2-97	400	0.8	35
KEYPORT HARBOR CHANNEL	7.3	7.9	7.7	7.1	9-93	200	0.9	8
RARITAN BAY EAST REACH	35.6	38.0	37.3	33.9	11-97	800	4.0	35
RARITAN BAY WEST REACH	34.0	36.4	36.3	34.7	11-97	800	2.4	35
SEGUINE POINT BEND	30.2	36.3	36.0	30.6	11-97	800-800	1.2	35
RED BANK REACH	35.5	41.1	41.3	35.0	11-97	800	1.2	35
WARD POINT BEND (EAST)	32.7	35.9	37.7	32.1	11-97	800-800	1.1	35
WARD POINT BEND (WEST)	35.5	35.2	35.6	34.6	11-97	800-800	0.8	35
RARITAN RIVER CUT OFF	19.2	20.7	18.5	18.0	1-91	800-1100	1.0	20
WARD POINT SECONDARY CHANNEL	23.6	22.7	22.5	21.9	3-93	400	0.9	30
GREAT BEDS REACH	13.1	15.9	17.2	18.4	6,7-98	300	0.8	25
SOUTH AMBOY REACH	14.6	18.4	18.2	15.9	6,7-98	300	1.2	25
<p>A. THE NAVAL FACILITIES ENGINEERING COMMAND MAINTAINS A 45 FOOT PROJECT FOR A WIDTH OF 800 FEET IN SANDY HOOK (EAST) TO THE TURNING BASIN.</p> <p>B. DEPTH FROM NOS FIELD SURVEY AT 40°28'57" 73°59'36".</p> <p>NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION</p>								

## SECTION I

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RARITAN BAY, ARTHUR KILL AND RARITAN RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 1999 AND SURVEYS TO JUNE - JULY 1998								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
RARITAN BAY-WEST REACH	34.0	39.4	39.3	34.7	11-97	600	2.4	35
SEGUINE POINT BEND	34.3	36.3	39.0	31.1	11-97	600-800	1.2	35
RED BANK REACH	35.5	41.1	41.3	35.0	11-97	600	1.2	35
WARD POINT BEND (EAST)	35.8	39.3	37.7	32.1	11-97	600-800	1.1	35
WARD POINT BEND (WEST)	35.5	35.2	35.6	33.9	11-97	600-800	0.8	35
OUTERBRIDGE REACH	34.1	35.0	35.0	32.2	4-96;11-97	600-800	0.8	35
PORT SOCONY REACH	B20.7	35.2	36.4	32.3	12-92;1-93	600-800	0.8	35
PORT READING REACH	A18.8	36.4	35.9	31.0	12-92;1-93	500	1.8	35
FRESH KILLS REACH	A25.0	33.8	36.3	31.5	12-92;1-93	500	1.8	35
RARITAN RIVER CUTOFF	19.2	20.7	18.5	18.0	1-91	600-1100	1.0	20
WARD POINT SECONDARY CHANNEL	23.6	22.7	22.5	21.9	3-91	400	0.9	30
GREAT BEDS REACH	13.1	15.9	17.2	18.4	6,7-98	300	0.6	25
SOUTH AMBOY REACH	14.6	18.4	18.2	15.9	6,7-98	300	1.2	25
A. THE CHANNEL HAS SHOALD ALONG THE EDGE; A DEPTH OF 30 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.								
B. ALONG THE EDGE OF THE CHANNEL.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

CHART 12332

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RARITAN BAY, ARTHUR KILL AND RARITAN RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 1999 AND SURVEYS TO JUNE - JULY 1998								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
WARD POINT BEND (EAST)	32.7	39.3	37.7	32.1	11-97	600-800	1.1	35
WARD POINT BEND (WEST)	35.5	35.2	35.1	34.6	11-97	600-800	1.3	35
OUTERBRIDGE REACH	34.3	35.4	35.5	35.2	8-93; 11-97	600	1.6	35
RARITAN RIVER CUTOFF	19.2	20.8	18.5	18.0	1-91	600-1100	1.0	20
WARD POINT SECONDARY CHANNEL	23.6	22.7	22.5	21.9	3-91	400	0.9	30
GREAT BEDS REACH	13.1	15.9	17.2	18.4	6,7-98	300	0.6	25
SOUTH AMBOY REACH	14.6	18.4	18.2	15.9	6,7-98	300	1.2	25
SANDY POINT REACH	15.7	25.1	27.7	25.4	6,7-98	300	0.9	25
KEASBEY REACH	15.6	18.4	19.0	18.7	6,7-98	300	0.9	25
RED ROOT REACH	11.6	15.8	13.9	6.7	6,7-98	300	1.5	25
CRAB ISLAND REACH	15.0	14.5	14.5	12.5	9-88	200	1.2	15
NORTHWEST REACH	A6.0	A7.5	A7.5	12.2	7-62	200	1.2	15
TITANIUM REACH	11.1	12.5	1.0	0.9	1-91	300	0.6	25
SOUTH CHANNEL	C2.0	D4.2	B4.2	B2.1	7-62;3,4-90	150	0.7	15-10
A. SHOALS LOCATED OPPOSITE RARITAN RIVER LIGHT 30 TO 400 YARDS SOUTH; A DEPTH OF 13 FEET FOR A WIDTH OF 200 FEET WAS AVAILABLE TO THE WEST OF THE PROJECT CHANNEL.								
B. POSSIBLE 6 FT OBSTRUCTION LOCATED IN 40°29'34.4"N, 74°19'03.0"W.								
C. POSSIBLE 6 FT OBSTRUCTION LOCATED IN 40°29'35.4"N, 74°19'04.5"W.								
D. POSSIBLE 4 FT OBSTRUCTION LOCATED IN 40°29'37.4"N, 74°19'04.0"W.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

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NEWARK BAY,PASSAIC AND HACKENSACK RIVERS CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 1999 AND SURVEYS TO OCT - NOV 1998								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
NEWARK BAY MIDDLE REACH	37.2	40.2	37.2	34.2	7,8-98	600-400	1.4	35
NEWARK BAY NORTH REACH	32.3	34.6	23.7	A19.0	7,8-98	500	1.1	35
TURNING BASIN	24.7	26.4	24.7	A19.3	7,8-98	900	0.26	35
PASSAIC RIVER:								
KEARNY PT REACH	17.7	19.1	17.2	13.6	10-98	300	1.1	30
POINT NO POINT REACH	5.4	9.7	13.5	10.4	6-89;10-98	300	1.1	30
HARRISON REACH	1.7	6.5	8.4	2.6	6-89	300	1.9	20
NEWARK REACH	1.2	8.2	9.5	4.3	6-89	300	1.3	B20
KEARNY REACH	C0.8	8.8	8.2	1.2	6-89	300	0.9	B20
ARLINGTON REACH	2.0	6.8	9.1	2.5	6,11-89	200	0.9	16
BELLEVILLE REACH	0.1	0.4	8.0	9.9	6-92	150	1.4	10
NUTLEY REACH	2.6	9.2	7.4	3.5	11-89	150	1.7	10
RUTHERFORD REACH	1.7	5.1	3.8	3.7	11-89	150	2.2	10
WALLINGTON REACH	D2.2	1.5	1.9	E1.1	11-89	150	0.9	10
HACKENSACK RIVER:								
DROYERS POINT REACH	25.5	28.8	25.8	19.3	10,11-98	300-400	1.5	30
MARION REACH	27.1	26.7	28.9	22.6	10,11-98	300	1.8	30
TURNING BASIN	19.2	24.4	29.3	22.6	10,11-98	300-800	0.2	25
PORT NEWARK CHANNEL:								
BRANCH CHANNEL	35.0	35.0	35.0	29.8	12-89;1-90	800-400	0.4	35
INSHORE CHANNEL	35.0	35.0	31.4	33.0	11-89	400	1.1	35
PIERHEAD CHANNEL	35.0	35.0	35.0	35.0	12-89	300	0.7	35
<p>A. EXCEPT FOR A SHOAL TO 9 FT AT 40° 42' 11.4" N 74° 06' 56.1" W ALONG THE RIGHT OUTSIDE QUARTER OF THE REACH.</p> <p>B. PROJECT CHANNEL, 20 FEET DEEP, HAS NEVER BEEN DREDGED. DEPTHS SHOWN ARE FOR EXISTING CHANNEL.</p> <p>C. EXCEPT FOR A SHOAL, BARE AT M.L.L.W., ALONG THE LEFT OUTSIDE QUARTER OF THE LAST 380 YARDS OF THE REACH.</p> <p>D. A SHOAL BARE AT M.L.L.W. EXTENDS ACROSS THE LEFT OUTSIDE QUARTER ABOUT 370 YARDS DOWNSTREAM OF THE EIGHTH STREET BRIDGE.</p> <p>E. A SHOAL BARE AT M.L.L.W. EXTENDS ACROSS THE RIGHT OUTSIDE QUARTER ABOUT 300 YARDS NORTH OF THE MAIN ST. BRIDGE AND SHOALING TO 0.3 FEET 175 FEET WEST OF THE SECOND ST. BRIDGE.</p> <p>NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION</p>								